



ALCOLIN CHEMICAL ANCHOR

SAFETY DATA SHEET

1. IDENTIFICATION

1.1. Product identifier

Product name Alcolin Chemical Anchor
Chemical family Epoxy

1.2. Intended use of the product

Used as a rapid curing two part chemical anchoring system.

1.3. Name, address, and telephone of the responsible party

Company: Permoseal (Pty) Ltd
Address: 1 Beverley Close, Montague Gardens, 7441, Cape Town, South Africa
Phone: +27-21-555-7400
Toll-free No. 0800-222-400
Website: www.alcolin.com

1.4. Emergency phone number

+27-21-555-7400

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

GHS Classification This product is classified as a hazardous mixture

2.2. Label elements

GHS Labelling

- This product is classified and labelled according to the CLP regulation.
- Hazard pictograms



GHS07

2.3. Signal word Warning

2.4. Hazard determining components of labelling:

Dibenzoyl peroxide, ethylvinylbenzene

2.5. Hazard statements:

H317 May cause an allergic skin reaction
H319 Causes serious eye irritation
H411 Harmful to aquatic life with long lasting effects

2.6. Precautionary statements:

P102	Keep out of reach of children.
P273	Avoid release to the environment.
P280	Wear protective gloves / eye protection.
P302+P352	If on skin: Wash with plenty of soap and water.
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.7. Additional information

No additional information available.

2.8. Other Hazards

No additional information available.

2.9. Unknown acute toxicity

No data available

3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixture. This product is hazardous.

Ingredients	CAS Number	Contents (%)	Classification of Substance
Ethylvinylbenzene	28106-30-1	3 - 10	Eye irrit.: Cat 2 Skin Irrit.: Cat 2 Acute tox.: Cat 4 Aquatic Chron: Cat 2 STOT SE: Cat 3
2-ethylhexyl benzoate	5444-75-7	1 - 3	Aquatic Chron: Cat 4
N,N-bis-(2-hydroxyethyl)-p-toluidine	103671-44-9	1 - 3	Eye Dam.: Cat 1 Acute tox.: Cat 4
Dibenzoyl peroxide	94-36-0	1 - 3	Eye irrit.: Cat 2 Skin sens.: Cat 1
N,N-dimethyl-p-toluidine	99-97-8	<1	Acute tox.: Cat 3 Aquatic chron.: Cat 3

4. FIRST-AID MEASURES

4.1. Description of first aid measures

General	Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the incident.
Inhalation	Take the person into the fresh air. In case of unconsciousness, place patient in a recovery position for transportation. Seek medical advice.
Skin contact	Wash skin with soap and water and rinse thoroughly. Do not pull solidified product off the skin. Seek medical attention if irritation persists.
Eye contact	Rinse cautiously with water for 15 minutes. Remove any contact lenses if present and easy to do. Continue rinsing. Obtain medical attention.
Ingestion	Rinse mouth and then drink plenty of water. Do not induce vomiting. Obtain medical attention.

4.2. Most important symptoms and effects both acute and delayed

General	May cause irritation in the uncured state.
Inhalation	No known significant effects or critical hazards.
Skin contact	May cause irritation and redness in the uncured state.
Eye contact	May cause eye irritation, pain and redness.
Ingestion	May cause irritation to mouth, throat and stomach

Indication of any immediate medical attention and special treatment needed

Note to physicians	Treat symptomatically
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5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media	Water, dry chemical powder, foam, carbon dioxide or sand
Unsuitable ext. media	Do not use halons

5.2. Special hazards arising from the substance or mixture

Fire hazard	Not flammable
Explosion hazard	Product is not explosive

5.3. Advice for firefighters

Firefighting instructions	Exercise caution when fighting any chemical fire.
Protection during firefighting	Firefighters should wear full protective gear. Do not enter fire area without proper protective equipment, including respiratory protection.
Hazardous combustion products	Under certain conditions of combustion traces of toxic substances cannot be excluded.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

General measures	None
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6.2. For non-emergency personnel

Protective equipment	Use appropriate personal protection equipment (PPE)
Emergency procedures	Evacuate unnecessary personnel.

6.3. For emergency personnel

Protective equipment	Use appropriate personal protection equipment (PPE)
Emergency procedures	Secure the area and evacuate unnecessary personnel.

6.4. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.5. Methods and materials for containment and cleaning up

For containment	Absorb and or contain spill with inert material.
Methods for cleaning up	If recovery is not feasible, absorb with inert material. Place in a container suitable for disposal. Dispose of in accordance with current local legislation.

6.6. Reference to other sections

Refer to Section 8, Exposure controls and personal protection

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Handling temperature	Normal ambient temperature
Hygiene measures	Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating or drinking.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	Store in a dry, cool and well-ventilated place. Keep container closed when not in use.
Incompatible materials	None known
Maximum storage period	18 months, but may vary depending on storage conditions.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1. Control parameters

There are no established exposure limits for this product.

8.2. Exposure controls

Engineering controls	Provide good ventilation when handling large quantities. No special measures are required if stored and handled as above
Personal protective equipment	Use appropriate personal protection equipment (PPE)
Hand protection	Wear chemical resistant gloves
Eye protection	Not required under normal conditions of use
Skin and body protection	Not required under normal conditions of use
Respiratory protection	Not required under normal conditions of use in a well-ventilated space
Other information	When using, do not eat or drink

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Grey paste
Odour	Characteristic
Density (g/cm ³)	Approx. 1.61
Self-igniting	Product is not self-igniting
Solubility water	Insoluble
VOC (EC)	0.66 g/l

10. STABILITY AND REACTIVITY

Reactivity	None expected under normal conditions
Chemical stability	Stable under normal conditions
Possibility of hazardous reactions	None expected under normal conditions
Conditions to avoid	Direct sunlight. Extremely high or low temperatures
Incompatible materials	None known
Hazardous decomposition products	Thermal decomposition may release carbon dioxide and carbon monoxide.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

This product has not undergone any toxicological testing. Acute and chronic health effects are not expected as long as good industrial hygiene and safety precautions are followed.

- Acute Toxicity of components:**

Ingredient		Values
Ethylvinylbenzene	LD ₅₀ Dermal	1100 mg/kg (ATE)
	LD ₅₀ Oral	500 mg/kg (ATE)
	LC ₅₀ Inhalative (4hrs)	11 mg/l (ATE)
N,N-dimethyl-p-toluidine	LD ₅₀ Dermal	300 mg/kg (ATE)
	LD ₅₀ Oral	100 mg/kg (ATE)
	LC ₅₀ Inhalative (4hrs)	3 mg/l (ATE)

12. ECOLOGICAL INFORMATION

This product has not been tested for environmental effects. However, the ingredients indicate that it is dangerous to the environment. May cause long term adverse effects in the aquatic environment.

- Additional ecological information:**

Water hazard class 1 (German regulations) (Self-assessment): slightly hazardous for water.

13. DISPOSABLE CONSIDERATIONS

Sewage disposal recommendations	Do not dispose waste into sewer.
Waste disposal recommendations	Whatever cannot be saved for recovery or recycling should be disposed of in accordance with current local legislation

4. TRANSPORT INFORMATION

Road / rail transport	ADR / RID	Not regulated
Marine Transport	IMDG	Not regulated
Inland waterways	ADNR	Not regulated
Air transport	IATA	Not regulated

15. REGULATORY INFORMATION

15.1. Labelling Classified as a hazardous product

15.2. National Legislation None

16. OTHER INFORMATION

16.1. Information sources

This SDS is prepared based on the information received from the suppliers

16.2. Full text of H-phrases referred to under Section 3

H317 May cause an allergic skin reaction

H319 Causes serious eye irritation

H302 Harmful if swallowed

H411 Harmful to aquatic life with long lasting effects

16.3. Additional information

This document has been prepared in accordance with the SDS requirements of SANS 11014:2010

For intended use and applications see the Technical Data Sheet for the product. The information provided in this Safety Data Sheet is based on the present state of our knowledge. This data is intended to enable safety assessments to be made and should not be construed as guaranteeing specific properties. Recipients of our product must take responsibility for observing existing laws and regulations.

Revision date July 2019